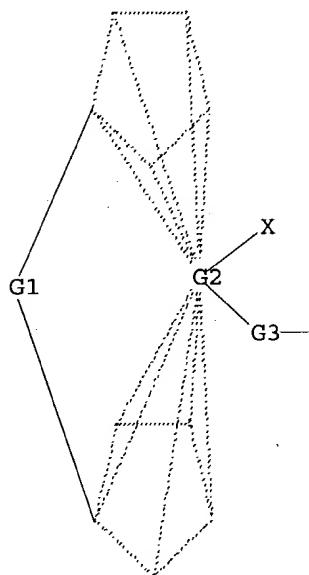


09/856,695

(FILE 'HOME' ENTERED AT 12:48:10 ON 30 APR 2004)

FILE 'REGISTRY' ENTERED AT 12:48:31 ON 30 APR 2004
L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,N,P,Si,B
G2 Cf,Hf,Nb,Sc,Ti,V,W,Y,Zr
G3 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 12:49:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 818 TO ITERATE

100.0% PROCESSED 818 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 14645 TO 18075
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 12:49:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 16399 TO ITERATE

100.0% PROCESSED 16399 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.84	156.05

FILE 'CAPLUS' ENTERED AT 12:49:32 ON 30 APR 2004
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FILE COVERS 1907 - 30 Apr 2004 VOL 140 ISS 19
 FILE LAST UPDATED: 29 Apr 2004 (20040429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 13
L4          2 L3

=> d 1-2 bib abs
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:11174 CAPLUS
 DN 136:232364
 TI Displacement of H3CB(C6F5)3- Anions from Zirconocene Methyl Cations by Neutral Ligand Molecules: Equilibria, Kinetics, and Mechanisms
 AU Schaper, Frank; Geyer, Armin; Brintzinger, Hans H.
 CS Fachbereich Chemie, Universitaet Konstanz, Konstanz, D-78457, Germany
 SO Organometallics (2002), 21(3), 473-483
 CODEN: ORGND7; ISSN: 0276-7333
 PB American Chemical Society
 DT Journal
 LA English
 AB The displacement of the MeB(C6F5)3- anion from seven different zirconocene Me cations by neutral Lewis bases, such as dimethylaniline, benzylidimethylamine, and dinbutyl ether, was investigated by 1D and 2D NMR spectroscopy. Equilibrium consts. for reactions with dinbutyl ether change by factors of less than 5 between the zirconocene contact ion pairs studied, despite substantial steric differences. Rate consts. of this displacement reaction, however, change by a factor of more than 105 between Me2Si(C5H4)2ZrMe+MeB(C6F5)3-, the most "open" complex, and rac-Me2Si(2-Me-BzInd)2ZrMe+MeB(C6F5)3-, the most highly substituted species studied. Kinetic and stereochem. data indicate that Lewis base-anion exchange proceeds by way of an associative mechanism, which occurs without side change of the zirconium-bound Me group. DFT calcns. support an associative substitution mechanism and propose five-coordinated reaction intermediates with the Lewis base coordinated to the central coordination site.

RE.CNT 94 THERE ARE 94 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:68206 CAPLUS

DN 132:108519
TI Catalyst and process for hydrogenating olefinically unsaturated compound
IN Sasanuma, Hiroyuki; Takeuchi, Motokazu; Hattori, Iwakazu
PA JSR Corporation, Japan
SO Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 974602	A1	20000126	EP 1999-113841	19990715
	EP 974602	B1	20040102		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000037632	A2	20000208	JP 1998-209162	19980724
	US 6291596	B1	20010918	US 1999-353007	19990713
	AT 257161	E	20040115	AT 1999-113841	19990715
PRAI	JP 1998-209162	A	19980724		
OS	MARPAT 132:108519				
AB	A hydrogenation catalyst comprises (A) a transition metal compound in which a group having a heterocyclic skeleton is bonded to Ti, Zr or Hf through an oxygen atom or a nitrogen atom, a representative of which compound is bis(cyclopentadienyl)titanium bis(tetrahydrofurfuryloxy) and optionally (B) an organic compound, halide or hydride of a metal of a group I to III element. Olefinically unsatd. compds. can be hydrogenated with a high efficiency by contacting the compound with hydrogen in the presence of the above catalyst in an inert, organic solvent. The above catalyst has a very high catalytic activity, is excellent in hydrogenation selectivity and thermal resistance, also excellent in storage stability and maintainability of catalytic activity and is hardly affected by the co-existing impurities. Polybutadiene was hydrogenated in the presence of bis(cyclopentadienyl)titanium bis(tetrahydrofurfuryloxy) catalyst.				

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT